sapience
Consultants and Engineers
g, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Cement

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Material	Cement (Birla Super 53 grade OPC)
Test Method	IS: 269:2015
Sampel Supplied By	PMC Agency
Date of Testing	30.05.2022 to 1.06.2022

Sl. No.	Description	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5):1988(RA 2014)	334 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	3 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28 %	-

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS * Bangalore-59

Authorized Signature

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Fine Aggregates (Sand)

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Material	Sand
Test Method	IS 383-1970 (RA- 2002)
Sampel Supplied By	PMC Agency
Date of Testing	31.05.2022

Total weight of Aggregates in gms: 1000

Is Sieve Size in mm	Weight Retained on Sieve (gm)	Percentage of Weight Retained (%)	Percentage of Weight Passing (%)	Cumulative Percentage Passing (%)	Spec.Limits For Zone-II
10.00	0	0	0	100	100.00
4.75	60	6	6	94.00	90-100
2.36	79	7.9	13.9	86.10	75-100
1.18	96.6	9.66	23.56	76.44	55-90
600 Micron	341	34.1	57.66	42.34	35-59
300 Micron	242.5	24.25	81.91	18.09	8-30
150 Micron	133.8	13.38	95.29	4.71	0-10

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜ ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Aggregates

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Material	20mm Aggregates
Test Method	IS 383-1970 (RA- 2002)
Sampel Supplied By	PMC Agency
Date of Testing	01.06.2022

Total weight of Aggregates in gms: 5000

Is Sieve Size in mm	Weight Retained on Sieve (gm)	Percentage of Weight Retained (%)	Percentage of Weight Passing (%)	Cumulative Percentage Passing (%)	Spec.Limits
40	0	0	0	100	100
20	214.1	4.282	4.282	95.72	95-100
10	3055.3	61.106	65.388	34.61	25-55
4.75	1546.8	30.936	96.324	3.68	0-10

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Aggregates

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor,Mysore
Material	40mm Aggregates
Test Method	IS 383-1970 (RA- 2002)
Sampel Supplied By	PMC Agency
Date of Testing	01.06.2022

Total weight of Aggregates in gms: 5000

Is Sieve Size in mm	Weight Retained on Sieve (gm)	Percentage of Weight Retained (%)	Percentage of Weight Passing (%)	Cumulative Percentage Passing (%)	Spec.Limits
80.00	0	0	0	100	100.00
40.00	193.6	3.87	3.87	96.13	95-100
20.00	2741.2	54.82	58.70	41.30	30-70
10.00	1035.3	20.71	79.40	20.60	10-35
4.75	887.9	17.76	97.16	2.84	0-5

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Physical and Machanical Properties of TMT Bars

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor,Mysore
Material	8mm, 10mm, 12mm, 16mm Fe 500 TMT Bars
Test Method	IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature
Sampel Supplied By	PMC Agency
Date of Testing	2.06.2022

Sl. No.	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH			
				Yield Stress(N/mm2)	Ultimate Tensile strength (N/mm2)	UTS / YS Ratio	Elongation, percent on gauge length
1	Fe 500	8	0.397	545	647	1.19	12
2	Fe 500	10	0.619	543	630	1.16	12
3	Fe 500	12	0.89	543	638	1.17	15

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತ.
ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ವಿ
ಬೆಂಗಳೂರು-560073.

sapience
Consultants and Engineers
, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	7th Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	4-Jun-22	11-Jun-22	8.167	345.38	15.35
2	4-Jun-22	11-Jun-22	8.140	332.33	14.77
3	4-Jun-22	11-Jun-22	8.142	333.23	14.81

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	**28th** Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	4-Jun-22	2-Jul-22	8.155	519.75	23.10
2	4-Jun-22	2-Jul-22	8.158	515.93	22.93
3	4-Jun-22	2-Jul-22	8.159	521.10	23.16

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	7th Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	7-Jun-22	14-Jun-22	8.132	333.90	14.84
2	7-Jun-22	14-Jun-22	8.146	344.70	15.32
3	7-Jun-22	14-Jun-22	8.156	342.00	15.20

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	M - 20
Compressive Strength	28th Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	7-Jun-22	5-Jul-22	8.158	514.80	22.88
2	7-Jun-22	5-Jul-22	8.133	521.55	23.18
3	7-Jun-22	5-Jul-22	8.162	516.60	22.96

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಜಾಗಲಗುಂಟೆ, ಹ.ಜ.ಎಂ.ಕಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	7th Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	17-Jun-22	24-Jun-22	8.129	337.28	14.99
2	17-Jun-22	24-Jun-22	8.163	343.58	15.27
3	17-Jun-22	24-Jun-22	8.135	341.33	15.17

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಆರ್. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#89-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	M - 20
Compressive Strength	28th Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	17-Jun-22	15-Jul-22	8.132	514.80	22.88
2	17-Jun-22	15-Jul-22	8.158	510.30	22.68
3	17-Jun-22	15-Jul-22	8.148	516.60	22.96

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers

Authorised Signature

ಸಾಂಕ್ಷಿಕ ಸಾರ್ಮಾಪಾರ ಅಭಿಯಂತರರು
ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿಜಿಎಂಸಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	**7th** Day

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	20-Jun-22	27-Jun-22	8.145	340.65	15.14
2	20-Jun-22	27-Jun-22	8.153	342.00	15.20
3	20-Jun-22	27-Jun-22	8.145	341.55	15.18

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Test Report on Compressive Strength of Concrete Cubes

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Sample ID	Concrete Cube
Size of Cubes	150mm x 150mm x 150mm
Cross Sectional Area	22500 mm^2
Test Method	IS: 269:2015
Grade of Concrete	**M - 20**
Compressive Strength	**28th Day**

Sl. No.	Date of Casting	Date of Tesing	Weight of Cube (Kg)	Failure Load (KN)	Compressive Strength (N/mm2)
1	20-Jun-22	18-Jul-22	8.169	514.80	22.88
2	20-Jun-22	18-Jul-22	8.156	509.85	22.66
3	20-Jun-22	18-Jul-22	8.159	520.88	23.15

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory

#89-302, GANGA, Jnanabharathi Enclave,
Vidyaranyapuram, Mysore Road, Bangalore 560097
Ph: 9448863634, 8762194386.
Email: sapienceblr@gmail.com

PRECAST SLAB 230mm Thick(CORE) TEST REPORT

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidebathalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PWC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Priwite Limited), Contractor, Mysore
Type of Samples	230mm Pre-Cast Slab Cores (50mm dia)
Test Method	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Core	M - 20
Date of Testing	29.06.2022

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt. (Kg)	Density of Core (kg./m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.09)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50	80.00	0.367	2336.39	1.60	0.957	32.39	16.50	17.82	17.05	21.31
2	50	85.00	0.372	2228.92	1.70	0.968	32.72	16.66	18.00	17.41	21.77
3	50	80.00	0.373	2374.59	1.60	0.957	32.84	16.73	18.06	17.28	21.60

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the samples
Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪಶ್ಚಿಮ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಪೂರ್ವ ವಲಯ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Project Management and Consultancy Services

Summary of Frequencies of Field and Laboratory Tests Conducted

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Granular Sub Base

Sl. No.	Test Details	Quantity in m^3	Frequency of Tests	Tests Required	Tests Carried Out
3	Aggregate Gradation	2156.69	1 Test / 100 m^3	22	22
4	Atterberg Limits		1 Test / 100 m^3	22	22

Sapience Consultants and Engineers,

Contractor / Agency

Assistant Engineer

Assistant Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	22.06.2022 to 24.06.2022

Sl. No	Description	Test #1	Test #2	Test #3	IS Specifications
1	Liquid Limit, %	21.64	22.16	21.36	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಹ.ಹ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	22.06.2022 to 24.06.2022

Sl. No	Description	Test #4	Test #5	Test #6	IS Specifications
1	Liquid Limit, %	22.01	21.85	22.3	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:

→ *This test report should not be reproduced except in full, without written approval of the laboratory*

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜೆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	22.06.2022 to 24.06.2022

Sl. No	Description	Test #7	Test #8	Test #9	IS Specifications
1	Liquid Limit, %	22.11	22.23	21.25	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

sapience
Consultants and Engineers
(A Geo-Tech & Road Materials Testing Laboratory)

#89-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448833634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Ahgere village roads, BTS Village, Visheshwariah village, Royal Enclave and Sideshalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 152 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Private Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	27.06.2022 to 29.06.2022

Sl. No	Description	Test #10	Test #11	Test #12	IS Specifications
1	Liquid Limit, %	21.1	22.36	21.63	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorised Signature

ಪಾಲಿಕೆ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಪ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	27.06.2022 to 29.06.2022

Sl. No	Description	Test #13	Test #14	Test #15	IS Specifications
1	Liquid Limit, %	22.06	22.05	21.12	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರ
ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಪಾಲಿಕೆಗುಂಟೆ, ಜ.ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

roject Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
:lient	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
ob No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
:ontractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	30.06.2022 to 2.07.2022

Sl. No	Description	Test #16	Test #17	Test #18	IS Specifications
1	Liquid Limit, %	21.63	21.18	21.65	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ. ಜಿ.ಬಿ.ಎ.ಎ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
g, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	30.06.2022 to 2.07.2022

Sl. No	Description	Test #19	Test #20	Test #21	IS Specifications
1	Liquid Limit, %	22.08	21.46	21.23	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜೆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	30.06.2022 to 2.07.2022

Sl. No	Description	Test #22	Test #23	Test #24	IS Specifications
1	Liquid Limit, %	21.12	22.91	22.34	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the
Samples are collected on the work spot & tested in the laboratory.
→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಜಾಗಲಗುಂಟೆ. ಜ.ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

GRADATION FOR GSB (Grading V)

roject Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
lient	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
ob No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ontractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
Mix Type	Granular Sub Base
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	1 & 2
Date	22.06.2022 to 23.06.2022

Total Weight of Sample (gms) : **20000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
75	0	0	0	100	100	Gradation satisfies the MORTH 5th Revision Table 400-1 Specification for Granular Sub Base
53	2593.4	2593.4	12.97	87.03	80 - 100	
26.5	3170.2	5763.6	28.82	71.18	55 - 90	
9.5	3742.4	9506.0	47.53	52.47	35 - 65	
4.75	3223.3	12729.3	63.65	36.35	25 - 50	
2.36	4692.9	17422.2	87.11	12.89	10 - 20	
0.850	1074.1	18496.3	92.48	7.52	2 - 10	
0.425	1503.4	19999.7	100.00	0	0 - 5	

Total Weight of Sample (gms) : **20000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
75	0	0	0	100	100	Gradation satisfies the MORTH 5th Revision Table 400-1 Specification for Granular Sub Base
53	2217.3	2217.3	11.09	88.91	80 - 100	
26.5	2848.2	5065.5	25.33	74.67	55 - 90	
9.5	5464.7	10530.2	52.65	47.35	35 - 65	
4.75	1966.2	12496.4	62.48	37.52	25 - 50	
2.36	4912.9	17409.3	87.05	12.95	10 - 20	
0.850	1175.3	18584.6	92.92	7.08	2 - 10	
0.425	1319.4	19904.0	99.52	0.48	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಪಿ.ಡಬ್ಲ್ಯು.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

GRADATION FOR GSB (Grading V)

roject Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
lient	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
ob No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ontractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore
lix Type	Granular Sub Base
laterial	Coarse Aggregates
est Method	IS 2386(Part 1) 1963 (RA 2011)
ource / Location	Plant
ample No.	1 & 2
ate	22.06.2022 to 23.06.20222

Total Weight of Sample (gms) : **20000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
75	0	0	0	100	100	Gradation satisfies the MORTH 5th Revision Table 400-1 Specification for Granular Sub Base
53	1735.5	1735.5	8.68	91.32	80 - 100	
26.5	3591.0	5326.5	26.63	73.37	55 - 90	
9.5	4664.4	9990.9	49.95	50.05	35 - 65	
4.75	1962.8	11953.7	59.77	40.23	25 - 50	
2.36	5509.3	17463.0	87.32	12.68	10 - 20	
0.850	991.0	18454.0	92.27	7.73	2 - 10	
0.425	761.7	19215.7	96.08	3.92	0 - 5	

Total Weight of Sample (gms) : **20000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
75	0	0	0	100	100	Gradation satisfies the MORTH 5th Revision Table 400-1 Specification for Granular Sub Base
53	2370.2	2370.2	11.85	88.15	80 - 100	
26.5	2789.4	5159.6	25.80	74.20	55 - 90	
9.5	4994.8	10154.4	50.77	49.23	35 - 65	
4.75	1609.9	11764.3	58.82	41.18	25 - 50	
2.36	5782.5	17546.8	87.73	12.27	10 - 20	
0.850	1307.1	18853.9	94.27	5.73	2 - 10	
0.425	1132.4	19986.3	99.93	0.07	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073